

Lecturers

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Learning objectives of the Course

Ultrasound imaging of neonatal urogenital tract

- To become familiar with the different pathologic images of neonatal urogenital tract and with renal haemodynamics
- In the practical session, imaging tests will be made to help participants understand many practical issues of diagnosis and the importance of ultrasound follow-up

Ultrasound imaging of neonatal chest

- To understand the technique of the exam which needs high skill

Ultrasound imaging of neonatal brain

- To become familiar with the different pathologic images of neonatal brain: morphology and haemodynamics
- In the practical session, imaging tests will be made to help participants understand many practical issues of diagnosis and the importance of ultrasound follow-up

Ultrasound imaging of neonatal abdomen

- To understand limits and usefulness of gastrointestinal tract, liver, spleen and pancreas ultrasound imaging
- In the practical session, imaging tests will be made to help participants understand many practical issues of diagnosis

Information

The theoretical-practical Course is for paediatricians, neonatologists and paediatric radiologists and it is limited to 42 participants.

Practical sessions include tests for the participants and case discussions without direct examination of a baby. The language of the Course is English.

UEMS – European Union of Medical Specialists

UEMS credits will be applied for. They are valid all over Europe, the United States and Canada (reciprocity agreement with the American Medical Association).

CME – Continuing Medical Education (for Italian Participants only)

CME credits, requested to Ministry of Health, will be given to the participants of the Course.

Registration fee

A reduced registration fee will be applied for the participants who will register also to the "First Steps in Neonatal Brain US: an Amazing, adventurous Journey!" on Monday 16 March 2015.

Registration fee	by 19 January 2015	by 10 March 2015
(VAT included)	€ 895,00	€ 1.050,00

Reduced Registration fee	
(VAT included)	€ 795,00 € 950,00

No on site registration.

The fee includes Course materials, a CD with the lessons, coffee break and lunch each day.

Accommodation

AIM negotiated preferential rates with Residence Palazzo Ricasoli Hotel.

Double room double use € 150.00 per room per night, taxes and breakfast included.

Double room single use € 120.00 per room per night, taxes and breakfast included.

Information

Please be informed that a City Tax ("Tassa di soggiorno") has been applied for all Florentine hotels (but also to camping, guest houses, rooms for rent, residences, farm holidays with different taxation). Hotel Palazzo Ricasoli requires a fee of 4 Euros per person, per night, to be paid at the check out directly to the hotel.

Make sure to have your reservation made by **19 January 2015**: after this date rooms could not be guaranteed. A receipt will be sent as confirmation of your reservation.

Application

To make a registration and/or hotel reservation, please return the attached application form duly filled in to the Organizing Secretariat.

Cancellation

Cancellation must be sent in writing. You will receive a 75% refund of the participation fee in case of cancellation before **17 February 2015**. After this date no refunds will be possible.

Course venue

Palazzo Ricasoli Polihotels

Via delle Mantellate, 2 - Florence, Italy

Organizing Secretariat



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2015 Neonatal Ultrasound Course. Why, how and when an ultrasound image?

Florence, 17-20 March 2015
Palazzo Ricasoli Polihotels

PROGRAMME

DIRECTOR

Dr. Antonio La Torre

Neonatology Department,
AOU Careggi Hospital, Florence

Tuesday, 17 March

08.45-9.15 **Dr. Antonio La Torre**
Introduction to the Course
Neonatal ultrasound training:
does it need more?

Prof. Michael Riccabona

Ultrasound imaging of neonatal urogenital tract

- 9.15-10.00 Basics of US in neonates - revisiting important physics, applications, tips and tricks
- 10.00-10.30 Doppler US and modern US methods - as far as important and useful for neonatal diagnostic US
- 10.30-11.00 Neonatal urogenital tract US - normal US findings
- 11.00-11.15 COFFEE BREAK
- 11.15-12.15 Neonatal urogenital tract US - congenital malformations & disease (VUR, obstruction, ureterocele & duplex kidneys ...)
- 12.15-12.45 Neonatal urogenital tract US - genetic conditions (cystic disease, nephritis, intersex & CAH ... etc)
- 12.45-13.00 *Case discussion*
- 13.00-14.30 LUNCH
- 14.30-15.00 Neonatal urogenital tract US - acquired disease (infection, vascular problems, tumors)
- 15.00-15.30 Neonatal urogenital tract US - imaging algorithms
- 15.30-16.30 Neonatal urogenital tract US - case discussion with coloured voting cards (infant & childhood queries in the genitourinary tract)
- 16.30-17.30 Multiple choice questionnaire

Wednesday, 18 March

Prof. Eoghan Laffan

Ultrasound imaging of neonatal chest

- 9.00-9.45 Ultrasound of the chest - Technique, normal and abnormal exam. Who to image?
- 9.45-10.00 *Questions & Answers*
- 10.00-10.45 Ultrasound of lines - Technique, normal and abnormal exam
- 10.45-11.00 *Questions & Answers*
- 11.00-11.15 COFFEE BREAK
- 11.15-12.15 Practical notes of the technique by teacher's exam of a baby
- 12.15-13.00 Case studies, discussion, multiple choice quiz with audience participation
- 13.00-14.15 LUNCH

Prof. George Taylor

Ultrasound imaging of neonatal brain (First part)

- 14.15-14.45 Basic scanning technique
- 14.45-14.50 *Questions & Answers*
- 14.50-15.20 Normal brain and variants
- 15.20-15.25 *Questions & Answers*
- 15.25-15.55 Advanced intracranial scanning approaches
- 15.55-16.00 *Questions & Answers*
- 16.00-16.45 Doppler hemodynamics
- 16.45-16.50 *Questions & Answers*
- 16.50-17.30 Puzzling & interesting cases

Thursday, 19 March

Prof. George Taylor

Ultrasound imaging of neonatal brain (Second part)

- 9.00-10.00 Brain injury in the premature
- 10.00-10.05 *Questions & Answers*
- 10.05-10.40 Sonographic evaluation of hydrocephalus
- 10.40-10.45 *Questions & Answers*
- 10.45-11.00 COFFEE BREAK
- 11.00-11.55 Brain injury in the term and near term infant
- 11.55-12.00 *Questions & Answers*
- 12.00-13.00 Puzzling & interesting cases
- 13.00-14.30 LUNCH
- 14.30-15.15 Cerebellar development and pathology
- 15.15-15.20 *Questions & Answers*
- 15.20-16.00 Intracranial infections
- 16.00-16.10 *Questions & Answers*
- 16.10-16.30 Additional clinical doppler applications
- 16.30-17.30 Case studies and discussion

Friday, 20 March

Prof. Alan Daneman

Ultrasound imaging of neonatal abdomen

- 08.45-09.45 Normal sonographic anatomy of neonatal abdomen and pelvis - including technique
- 09.45-11.00 Sonography of pathology of the neonatal liver, biliary tract, pancreas, spleen and adrenals
- 11.00-11.15 COFFEE BREAK
- 11.15-12.15 Sonography of neonatal abdominal and pelvic masses
- 12.15-13.00 QUIZ : Interesting and difficult cases
- 13.00-14.15 LUNCH
- 14.15-15.15 Sonography of neonatal supra-renal masses
- 15.15-16.30 Sonography of the neonatal gastrointestinal tract - emphasis on normal findings, NEC and midgut malrotation and volvulus
- 16.30-17.15 Sonography of vascular abnormalities of the neonatal abdomen and pelvis including catheter complications
- 17.15-17.30 QUIZ: Interesting and difficult cases